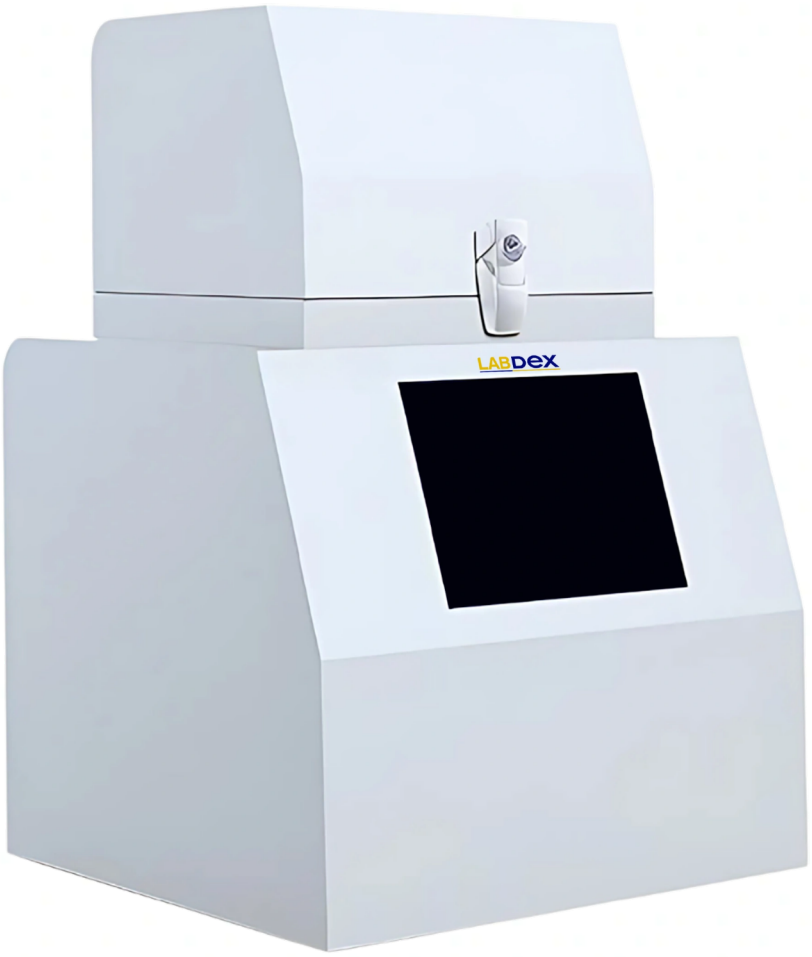
LABDEX



Tissue Homogenizer LX101TH

Email: info@labdex.com **website:** www.labdex.com

Description

Tissue Homogenizer LX101TH is designed for the precise extraction and purification of nucleic acids from microbial cells, plant tissues, and animal tissues. It features an integrated cooling function to prevent sample heating during the homogenization process, ensuring the integrity of sensitive biological materials. Equipped with a built-in touchscreen display, allows for easy setting of working parameters and real-time visualization of experimental data. Its high-throughput capability enables users to perform a large number of simultaneous operations efficiently and with consistent results.

Specifications

Grinding method	Wet grinding, dry grinding and low temperature
Standard capacity	48 x 2ml PE adaptor 48 x 2ml refrigerating adaptor
Refrigerating function	No
Display mode	Touch screen display
Output granularity	~5μm
Compatible tube quantity	>2 pcs
Frequency	0~70Hz
Timer range	0~9999s
Grinding ball material	Alloy steel, chromium steel, zirconia, tungsten carbide, quartz sand
Grinding ball size	0.1~30mm
Power supply	220V, 50/60Hz

External dimension	260 x 380 x 500 mm
Net weight	28 Kg
Packing dimension	530 x 400 x 560 mm
Gross weight	40 Kg

Features

- Built-in touchscreen display for easy parameter setting and real-time data monitoring
- Metal body enhances machine stability, durability, and operational safety
- Safety lock mechanism secures the working chamber to protect both samples and users
- Fully enclosed sample tubes ensure contamination-free processing
- Programmable procedures provide consistent grinding results for identical tissue samples
- Multiple adaptor options available to accommodate various sample types and volumes

Applications

- Widely used in biochemistry, microbiology, surface chemistry, physical chemistry, zoology, and related fields for homogenization, grinding, cell disruption, and sample preparation.

Adapter Selection

Adapter Name	Adapter Specificatio
Adapter A1	0.2ml x 96
Adapter A2	2.0ml x 24

Adapter A3	5.0ml x 12
Adapter A4	15ml x 8
Adapter A5	50ml x 2
Adapter A6	5.0ml x 24
Adapter A7	2.0ml x 24 (Refrigera
Adapter A8	5.0ml x 12 (Refrigera
Adapter A9	15ml x 8 (Refrigerati
Adapter A10	25ml x 2 (Refrigerati
Adapter A11	50ml x 2 (Refrigerati
Adapter A12	Customized type

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

Email: info@labdex.com | Website: www.labdex.com